

**ENVIRONMENT**  
DAY 2026

INTEGRATED WATER MANAGEMENT

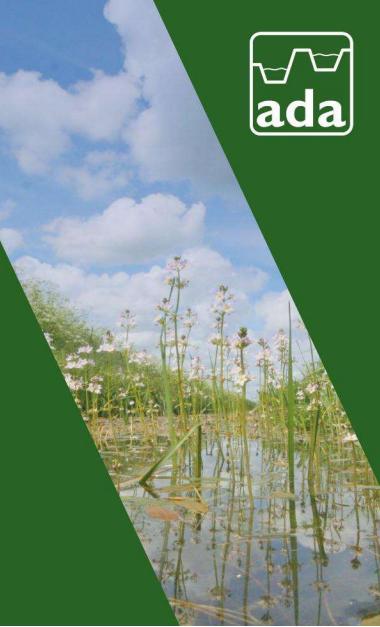
Revai Kinsella

Area Manager  
Pevensie & Cuckmere  
Water Level Management Board

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# Reimagining Our Approach to Water Level Management

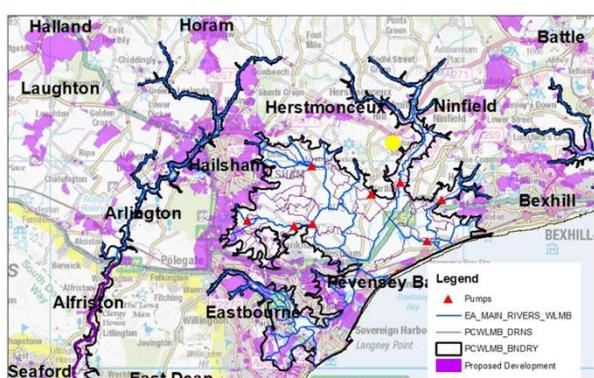
Revai Kinsella  
February 2026



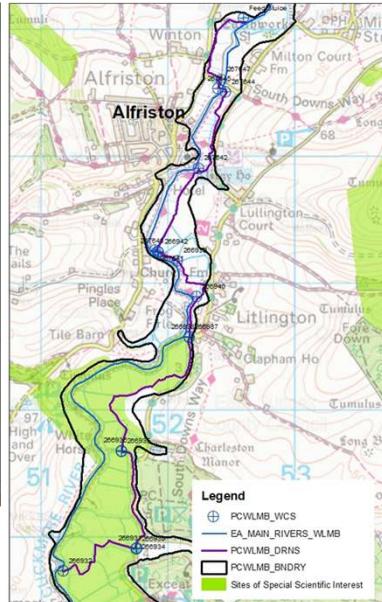
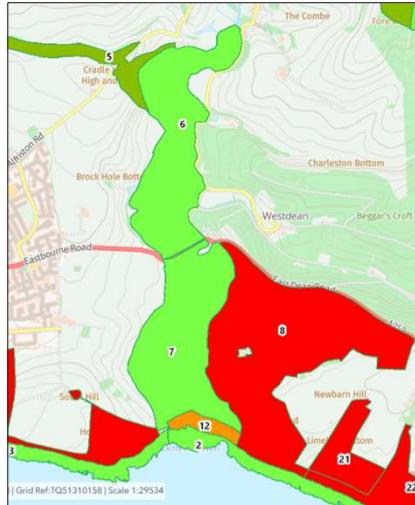
## Pevensie and Cuckmere District



## Challenges – Present & Past



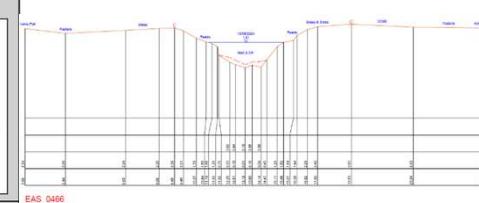
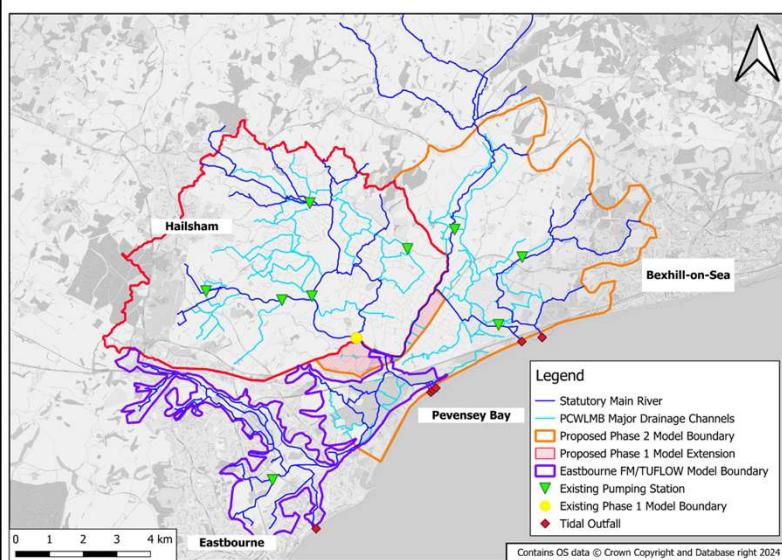
## Unlocking Solutions - Cuckmere



Autumn 2022 to  
Summer 2023

- Wintering birds survey
- Breeding birds survey
- Botanical survey
- Invertebrate survey
- Salinity testing

## Unlocking Solutions - Pevensey



## Perfect Timing – IDB Fund



## Tranche 2 – Milton Lock



## Tranche 2 – Tilting Weirs



| Depth (m)    | Thickness (m) | Soil Type   | Description  |
|--------------|---------------|-------------|--|
| GL – 0.2     | 0.2           | Topsoil     | Grass over greyish brown to brown, silty, sandy, slightly gravelly CLAY with frequent rootlets.                |
| 0.2 – 0.4    | 0.2           | Made Ground | Firm brown and pale grey mottled yellow, silty, sandy, gravelly CLAY. Gravel comprises chalk, brick and flint. |
| 0.4 – 1.4    | 1.0           | Alluvium    | Soft to firm, greyish brown mottled orange, silty sandy gravelly CLAY with a light organic odour.              |
| 1.4 – 3.8    | 2.4           | Alluvium    | Very soft, organic, grey to dark brown; silty sandy gravelly CLAY with a light organic odour.                  |
| 3.8 – 5.1    | 1.3           | Peat        | Soft, organic, dark brown to black, silty fibrous to pseudo fibrous PEAT with a light organic odour.           |
| 5.1 – 6.2    | 1.1           | Alluvium    | Very soft, organic, grey to dark brown; silty sandy gravelly CLAY with a light organic odour.                  |
| 6.2 – 12.5   | 4.1           | Weald Clay  | Firm to stiff, fissured, yellowish brown mottled bluish grey, silty CLAY                                       |
| 12.5 – 20.0+ | 7.5+          | Weald Clay  | Stiff to very stiff, thinly laminated, grey, silty CLAY.   |



## What about Pennywort?



Biocontrol – going forwards



Mechanical Removal – 2019/20

## Lessons Learnt



Have conversations and listen with understanding



Importance of building strong relationships and partnerships



A team with the right skills and teamwork

## What Comes Next?



Started work on the Cuckmere Adaptation Strategy with our partners



Continue working towards better water level management on the Pevensey Levels



Work with farmers and landowners to take opportunities to store water on the Pevensey Levels



Where we can, allow any future replacement of our pumps to help water storage

End

